

DERWENT-WEEK: 200325

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TITLE: Organic electroluminescent device and manufacturing method thereof

INVENTOR: BAEK, G H

PATENT-ASSIGNEE: LG ELECTRONICS INC[GLDS]

PRIORITY-DATA: 2001KR-0029465 (May 28, 2001)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
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| KR 2002090569 A | December 5, 2002 | N/A | 001 | H05B 033/22 |

APPLICATION-DATA:

| PUB-NO | APPL-DESCRIPTOR | APPL-NO | APPL-DATE |
|---------------|-----------------|----------------|--------------|
| KR2002090569A | N/A | 2001KR-0029465 | May 28, 2001 |

INT-CL (IPC): H05B033/22

ABSTRACTED-PUB-NO: KR2002090569A

BASIC-ABSTRACT:

NOVELTY - An organic electroluminescent device and a manufacturing method thereof are provided to reduce the permeation of gas or moisture from the outside by forming partitions in a trapezoid or circular arc shape. ←

DETAILED DESCRIPTION - A transparent electrode(2) of a strip shape serving as an anode and an insulating layer(3) are provided on a transparent substrate(1) in a predetermined pattern, thereby forming a luminescent dot. A trapezoid-shaped partition(40) for a cathode division is formed on the insulating layer(3). An organic luminescent layer(5) consisting of a hole injection/transporting layer and an electron injection/transporting layer is formed on a region of the transparent electrode(2), excluding the insulating layer(3) and the trapezoid-shaped partition(40). The organic luminescent layer(5) partially covers an end edge of the insulating layer(3). An electrode(6) for a cathode is formed on the organic luminescent layer(5) to fully cover the insulating layer(3) and the organic luminescent layer(5).

CHOSEN-DRAWING: Dwg.1/10

TITLE-TERMS: ORGANIC ELECTROLUMINESCENT DEVICE MANUFACTURE METHOD

